INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Respect	REPORT	25X1
SUBJECT	Military and Civilian Cartographic Facilities and Programs	DATE DISTR.	
		NO. PAGES	
			25X1
DATE OF INFO. PLACE & DATE ACQ.			25X1
	THIS IS UNEVALUATED	INFORMATION	
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- 1. The Military Cartographic Institute, Mauved Terresponded i Integet (NTI), is located at Malinovanky Pasor 7 9, Badapest XII. The building had a regular military genrel, comprised of 80 to 25 soldiers taken from the Madapest Guard Enttalion. The whole geard was changed every 24 hours at 2:00 p m daily. Four genrels were constantly on duty and these units were changed every two hours. Guards were against with rifles or machine pistols and had orders to open fire after the second call to halt. Only approved personnel, equipped with identification cards, were permitted to enter the NTI Handquarters. All cards were checked by the geard on daily at the main entrance. Even military personnel not directly employed at ETI were required to have a special pass from the Ministry of Defence before they could come into the ETI.
- 2. Howeverture also restricted within the NTI. For instance, the library room could only be entered for official business and with the permission of a department head. After working hours each deak and drawer in the building is locked. But door is locked by a regular lock plus a security lock, and all doors are checked by the officer on duty. If some one wants to work late, he must have the authorization of a department head and the last person who leaves a room after ragular working hours must call the officer on duty to check each drawer and schimet and to lock the door with the security lock.
- 3. Topographic rectification to bring all maps up to date was completed in 1952. A new survey using the Gauss-Kranger system was started in 1953 and was expected to be completed constinue between 1960 and 65. Although there was a plan in this new survey to make the base map in the scale of 1:10,000 after the Soviet pattern, the actual survey started in the scale of 1:25,000.
- 4. Inever new any civilian additions of any large scale military map. So called educational maps in the scale of 1:500,000 or smaller wave evailable but there was a law under which any person possessing a contour map (that is a map with contour lines relating altitudes to see level) in larger scale than 1:500,000 could be punished by one or more years in prison.

25X1

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C-O-N-F-I-D-E-N-T-I-A-L

-2-

5. HTI had a training program for map officers to be assigned to army divisions. Such officers handled map distribution and registration within the division. Another function was to advise the division commander in matters pertaining to terrain while on maneuvers and to carry on surveying, aerial photography and map plotting.

6. Duties Performed by Miscellaneous Departments of MIT:

- a. Aerial Photogrammetric: Taking photographs, developing films made by the department. Hectification of photos, photomosaics and sometimes ground control surveying, however this was usually done by the geodetic department. Aerial surveying of mountains and plain, flat areas, supplying other departments with contact copies or rectified photographs.
- b. Cartographic: Map drafting in five colors, red, yellow, black, green and blus. One basic map, paper mounted on aluminum board, consisting of all the horizontal details, buildings, roads, vegetation's boundry, bridges, creeks, lakes and rivers. One contour sheet, one name-sheet, one vegetation qualifying sheet. The drafting is made on a blue-printed sheet, the print is made from the topographer's worksheet. The print is in 1:20,000. Making smaller scale maps, 1:50,000, 1:100,000 by generalization. Computing corner point coordinates for sections. Selecting the right nomenclature for maps. Prescribing the proper size and form of names used on maps to the printing shop. Making illustrations, elevation shown by different colors, shadows, lines, educational aids, maps, relief maps.
- c. Geodetic: Leveling, triangulation, usually IV V order, ground control surveying for aerial photogrammetric department. Howevert establishment. They provide the necessary basis of horizontal and vertical base points for the topographic department.
- d. Scientifie: Compilation of foreign professional books, magazines, research, relations with universities, miscellaneous scientific establishments, and improving methods.
- e. Technical: Lithography, photography and typography, all functions of map printing. The instrument shop repairs the instruments, develops new instruments and miscellameous devices for the departments.
- f. Topographic: Topographic surveying in plane table method, (very seldom triangulation) leveling. Country surveying, taking photographs of characteristic points, recording the characteristic data of villages, towns, cities, number of population, social structure of the population, and names of reliable people in the community. In other words, all the information that might be helpful to a military unit. On each job, usually one topographer per village, or per section, one section 8 x 8 kilometer or 60 to 64 square kilometer.

7. Budepest Geodetic and Cartographic Enterprise (BCTV):

a. The BOTV was located at Amber kos 1, Budapest VI. It was an independent unit of the Committee of Ministers and its work was based on the data of Magyei Foldmeresi as Terimpesseti Rivatal and the Foldmeresi as Foldmyllvantartasi Felingyeloseg. The BOTV's 1:5,000 survey was made on the above two organisations so called "Batessteri" map. In obtaining its geodetic data, BOTV coordinated its afforts with the HTI and the Hangarian Geological Institute. The Geodetic data was based on the Badapest Gellertberg (Tower top of observatory) and Molo Sartorio (Trieste). The latter was changed to Kromstadt in 1953 by the HTI and in 1954 by the BOTV.

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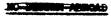
-3-

b. The 1:500,000 map did not have a military version and until 1954 no 1:500,000 maps were printed, the sheets being stored in the office of the topographic department. Later the sheets were redram by the cartographic enterprise and may have been printed by now (1959).

c. The completion date of the 1:5,000 survey program is not known.	
There was always a great resh to get the sheets finished but as the aims	
of the national economy changed, the surveying area was constantly changed	
and there was always a shortage of money. In theory, the security electifica	_
tion of the 1:5,000 shorts was the same as that of the MTI, but in practice	
this was never enforced. In addition to its 1:5,000 mapping program, the	
MOTY had other programs such as city surveying, canal surveying, and land	
registration and surveying for the collective farms.	

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NUMBER FIVE

The topographic surveying of Hungary was complited in areas shown till the summer of 1955 by the Budapest Geodetic and Cartographic Enterprise /BGTV/.

Mainly numerical method, only a few sheets were surveyed by plane

table method.

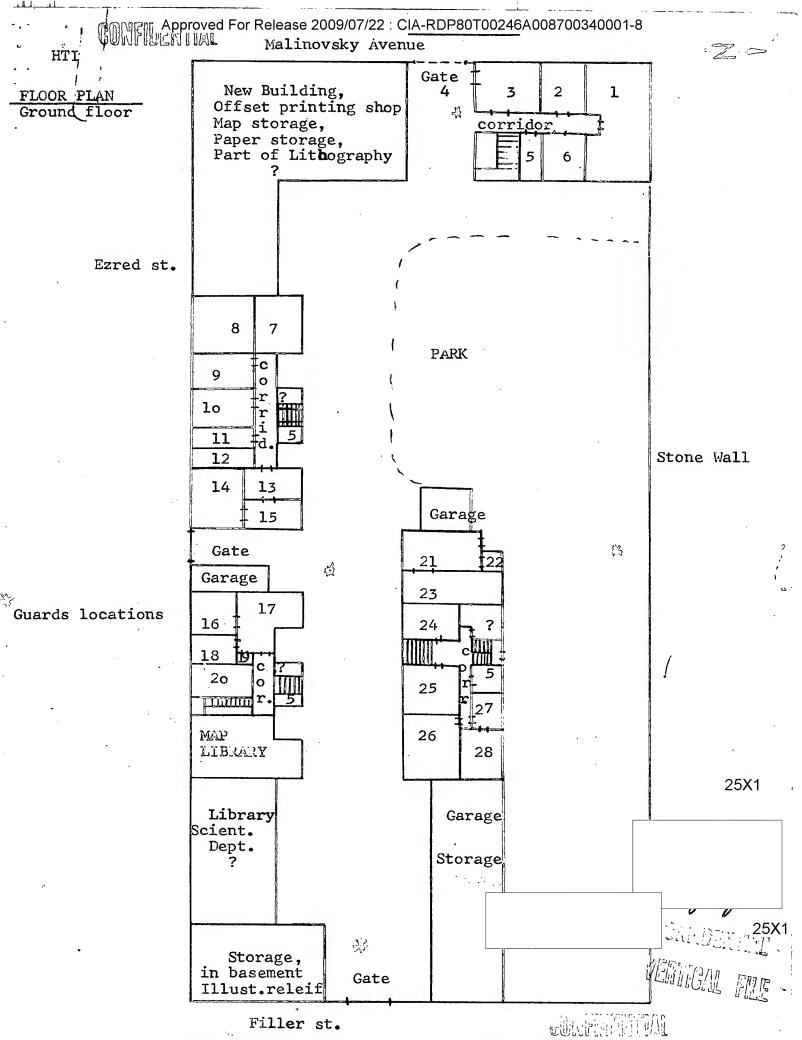


VERTIGAL FILE CONFIGERMAN

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CONFIDENTIAL



FLOOR PLAN Ground Floor.

COMFIDENTIAL

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     Room of the officer on duty.
 4.
     Gateway.
 5.
     Restroom.
 6.
     Cell /?/
 7.
     Lithographic Dept.
 8.
 9.
     Illustration /Graphic/
     Small scale cartography.
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11.
     Doctor's office. / waiting room./
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     Photo lab.
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14.
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15.
16.
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17.
                            Plane
18.
                            Office of the head of dept.
19.
     Darkroom.
20.
     Rectifying room. /Plane./
     Instrument Shop.
21.
22.
     Storage Room.
23.
     Instrument Shop.
24.
     Geodesic Dept.
25.
     Storage for the Photogrammetric Dept.
26.
     Office of the transportation, officer of vehicles.
27.
     Paper and drafting instruments, storage of office supply.
     Office of the officer of maintenance.
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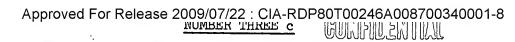
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Second Floor.

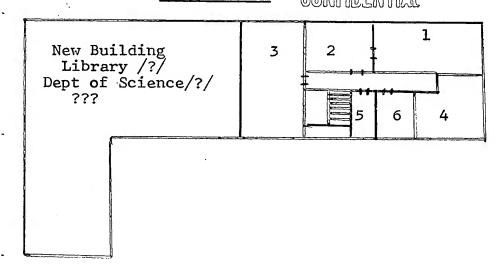
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      Commander's assistant officer.
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      Office of the technical commander./?/
      Office of the commander of staff.
 4.
 5.
      Restroom.
 6.
      Office of Qualified, secret administration.
 7.
      Drafting room / 2 nd. subdiv./
8.
9.
      Receptionist of the head of dept. /Cartographer./
10.
      Office of the head of dept.
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      Nomenclatura registration.
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                     / l st. subdiv./
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      Kitchen.
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      Dining room.
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      Bookkeeping. /?/
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      Office of the foodsupplying sect.
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28.
      Office./?/
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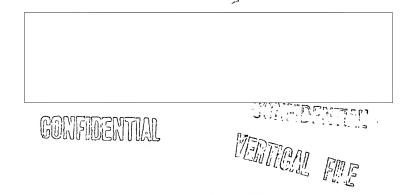


HTI

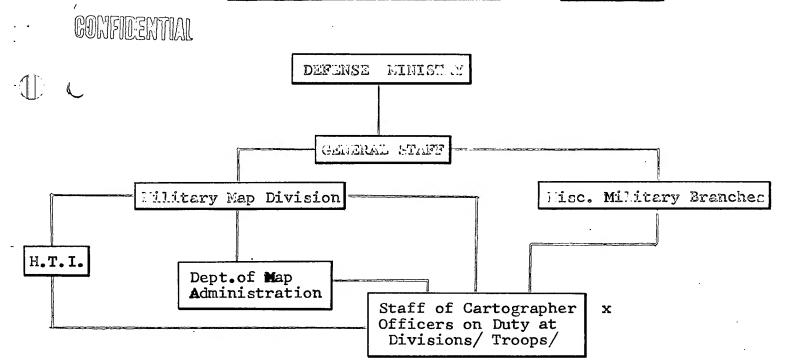
FLOOR PLAN. Third Floor.

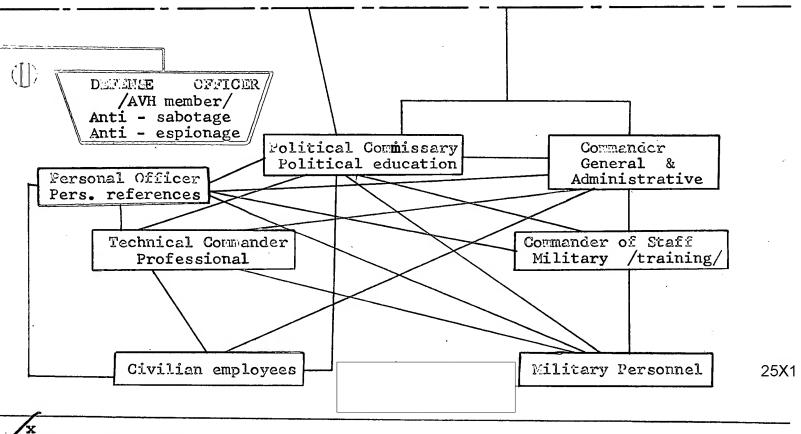


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- Office of the personal officer. Office of the defense officer. 3.
- 5.
- Restroom.
 Office /?/



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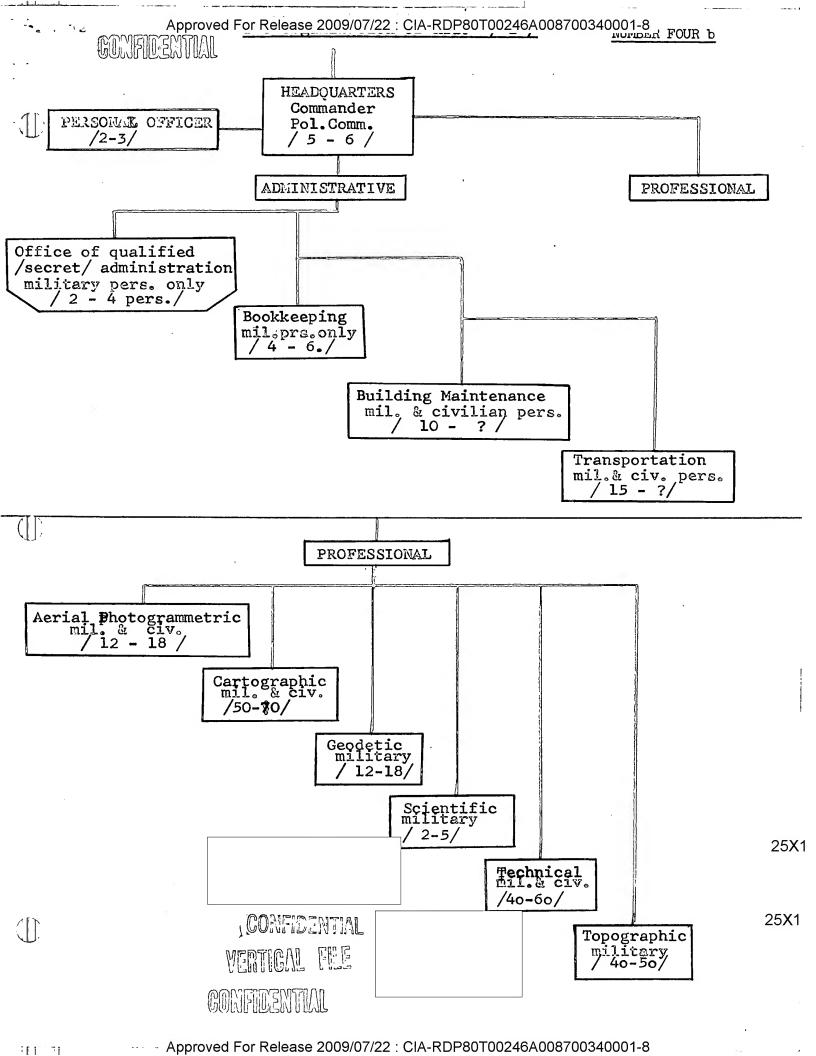
Cartographer Officer on duty at divisions = trained Cartographer officer on duty at different divisions /cca. 12,000-15,000 men/ to administrate the map distribution, map registration, to instruct the officers of the division, to advise to the commander of the division in wartime and maneuvre, and performs the necessary surveying, aerial-photo qualification, and plotting. Those officers were trained by HTI.

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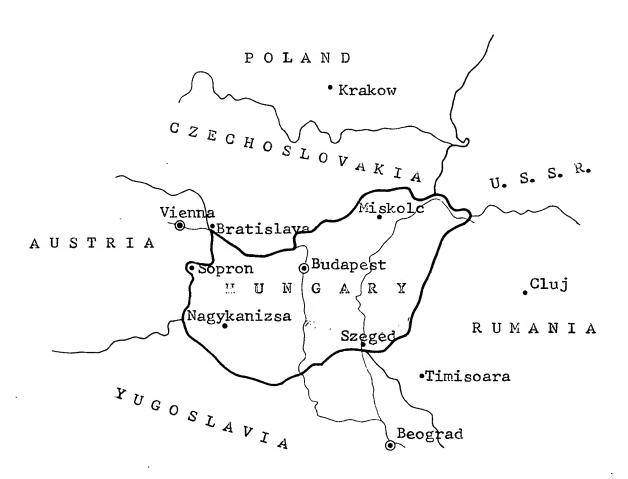
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The topographic rectification of Hungary was finished in 1952.

The new topographic surveying in Gauss-Krueger system started at the spring of 1953 in the areas shown.

The surveying was made in plane-table method.

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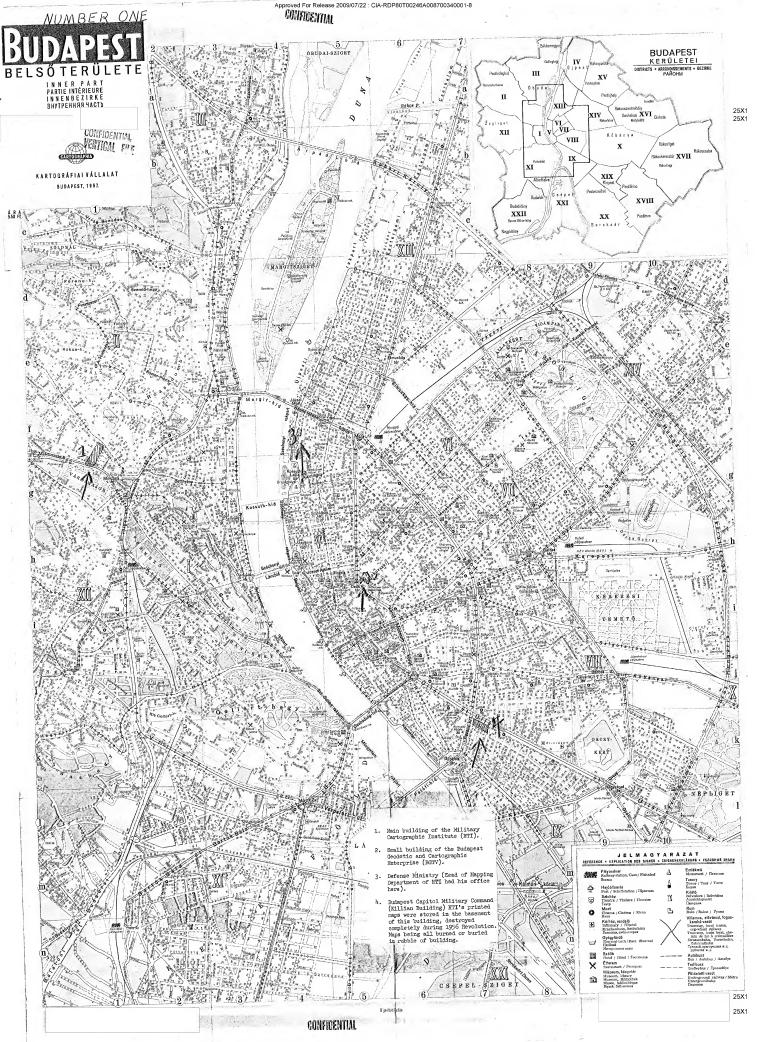


Topographic rectification = adjusting the map up to date, without actual surveying, / unless absolutely necessary / on the field, by comparison, with the help of aerial-photos.

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